



G900AD 8" Intel(R) Core(TM) i5-1235U Rugged Robotic Controller

Manufacturer part number: G900AD | Ground Control Station



Explore Winmate G900AD, an industrial computer solution featuring Intel(R) Core(TM) i5-1235U, 8-inch display with 1920x1200 resolution...

Display	
Size	8.0 inches
Type	Projected Capacitive Multi Touch
Resolution	1920x1200
Panel Brightness	700 (MOSMITE(TM) Enhanced, >1000-nit-class Sunlight Readability) nits
Contrast Ratio	1000:1
View Angles	85,85,85,85
Bonding	Optical Bonding for Sunlight Viewability
Viewability	Anti-Glare treatment + MOSMITE(TM) film
Touch Mode	Support Hand / Gloves and Rain Mode
System Specification	
Processor	Intel(R) Core(TM) i5-1235U 3.3GHz(up to 4.40 GHz)
Memory	8GB RAM, up to 32GB
Storage	128GB, up To 2TB SSD
Security	Trusted Platform Module (TPM) 2.0
Operating System	Windows 10 IoT Enterprise LTSC (64 bit), Windows 11 IoT Enterprise LTSC (64 bit) (Optional), Linux Ubuntu 22.04 / 24.04 (Optional)
WLAN	Support
BT	Support
WWAN	4G LTE (Optional, mutually exclusive with RF Module), 5G (Optional, mutually exclusive with RF Module)
GNSS	GPS/GLONASS
Sensors	Light Sensor
Mechanical	
Dimension	259.8 x 166.1 x 44.2 mm
Weight	1.2kg
Cooling System	Fan Design
IO Ports	
USB Port	1 x USB 3.0 (Type-A), 1 x USB 3.0 (Type C,PD)

LAN	1 x M12 LAN Connector (Mutually exclusive with RF Module), 1 x M10 Push-pull LAN Connector (Optional, mutually exclusive with RF Module)
Video	1 x micro HDMI output(Optional)
Audio	1x Speaker
Environment	
Operating Humidity	10% to 90% RH, non-condensing
Operating Temperature	-20 deg C to 60 deg C (AC mode), -10 deg C to 50 deg C (Battery mode)
Storage Temperature	-30 deg C to 70 deg C (-22 deg F to 158 deg F)
Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I
IP rating	IP65
Certification	
Certification	CE, FCC
Control	
Button	2 x Hall-effect Joysticks (Full self-centering; optional non-centering throttle axis), 7 x Momentary Push Buttons, 2 x Hall-effect Roller Switches
Power	
Battery	Standard : 11.4V, typ. 3500 mAh Li-Ion Removable Battery (3S1P) , Optional : 11.4V, typ. 4750 mAh Li-Ion Removable Battery (3S1P)
Battery Operating Time	Standard Battery : 5.5hrs, High Capacity Battery : 7.5hr
Power Rating	20V DC
Adapter	20V/5A PD Adapter
Accessory	
Accessory	1 x PD Adapter 100W, 1 x M12 LAN External Cable, 1 x Power Cord
Optional Accessory	Microhard pMDDL2450 (Mutually exclusive with LAN), High Capacity Battery, M10 Push-pull Type LAN Cable